

# Work Order ID 121404

**\*121404\***

Page 1

Thursday, June 26, 2014 2:58:49 PM

4387-041

Item ID: D4387-041

B 121404

Accept

**\*N900040100\***

Setup Start

**\*NS1\***

Revision ID:

Item Name: Harness Assy

Stop

**\*NS2\***

Start Date: 6/26/14

Start Qty: 32.00

**\*32\***

Cust Item ID:

Required Date: 6/26/14

Req'd Qty: 32.00

**\*32\***

Customer:

Reference:

Approvals:

Process Plan: ML5

Date: 14-06-27

Tooling:

Date:

Run

Start

**\*NR1\***

QC:

Date:

SPC (Y/N):

Date:

Stop

**\*NR2\***

| Sequence ID/<br>Work Center ID | Operation<br>Description | Set Up/<br>Run Hours | Tool ID | Tool # | Plan<br>Code | Accept<br>Qty | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp |
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|

Draw Nbr

Revision Nbr

D4387

D

100

0.00

**\*100\***

PURCHASING

Purchasing

Memo

0.00

Purchasing

Issue P/O:

24808

P/N: 4192-1-021-2396

Possible supplier: Amsafe

Certificate of conformaty is required

CL 14/1061 30 (32)

110

0.00

**\*110\***

Receive & Inspect for Damage & Mat'l Certs

Packaging

Memo

0.00

Packaging

Ensure certificate of conformity is attached

14/17/21 (32)

120

0.00

**\*120\***

QC5- Inspect part completeness to step on W/O

QC

Memo

0.00

Quality Control

SHP  
14/17/22

32

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

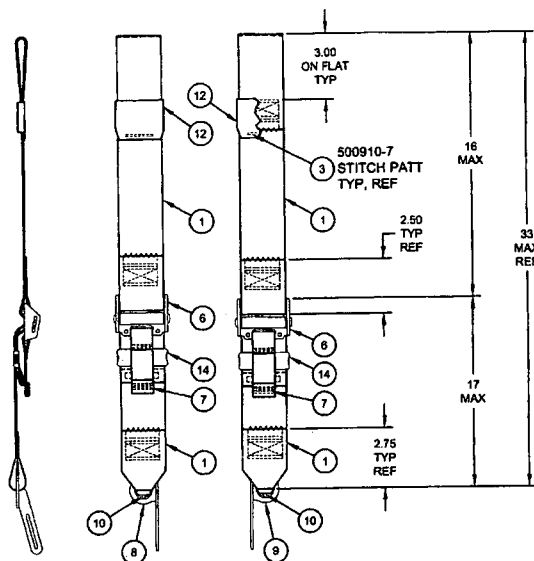
|  |  |   |
|--|--|---|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/> | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Thermoforming <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/><br/>           Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/><br/>           Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Quality <input type="checkbox"/><br/>           Other <input type="checkbox"/> </div> </div> |
|--|--|---|

| Root Cause    | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---------------|------|------|-----|---|-------------------|--------------------|-------------|--------------|--------------|
| Design        |      |      |     |   |                   |                    |             |              |              |
| Doc/Data      |      |      |     |   |                   |                    |             |              |              |
| Equip/Tooling |      |      |     |   |                   |                    |             |              |              |
| Handling/Pre  |      |      |     |   |                   |                    |             |              |              |
| Material      |      |      |     |   |                   |                    |             |              |              |
| Operator      |      |      |     |   |                   |                    |             |              |              |
| Offset/Setup  |      |      |     |   |                   |                    |             |              |              |
| Process       |      |      |     |   |                   |                    |             |              |              |
| Supplier      |      |      |     |   |                   |                    |             |              |              |
| Training      |      |      |     |   |                   |                    |             |              |              |
| Transport     |      |      |     |   |                   |                    |             |              |              |
| Unapproved    |      |      |     |   |                   |                    |             |              |              |

### FAULT CATEGORY

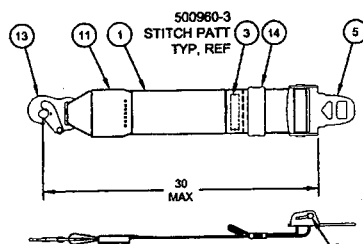
|  |  |   |  |
|--|--|---|--|
| <b>Landing Gear</b><br><input type="checkbox"/> Bending<br><input type="checkbox"/> Centre Not Concentric<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crimp/Kink/Ripple/Wave<br><input type="checkbox"/> Cuffs<br><input type="checkbox"/> Crushing<br><input type="checkbox"/> Heat Treat<br><input type="checkbox"/> Inspection Strip in Tube<br><input type="checkbox"/> Marks/Chatter<br><input type="checkbox"/> Turning Sequence<br><input type="checkbox"/> Wave/Twist in Tube | <b>General</b><br><input type="checkbox"/> Bend<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damage/Defect<br><input type="checkbox"/> Burrs<br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Countersink<br><input type="checkbox"/> Cut Too Short<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Fit/Function | <input type="checkbox"/> Folio/Program<br><input type="checkbox"/> Grain<br><input type="checkbox"/> Hardware<br><input type="checkbox"/> Inspection Incomplete/Unqualified<br><input type="checkbox"/> Instructions Incomplete/Unclear<br><input type="checkbox"/> Misaligned/off center<br><input type="checkbox"/> Mislabeled<br><input type="checkbox"/> Misread<br><input type="checkbox"/> Off-set<br><input type="checkbox"/> Out of Calibration<br><input type="checkbox"/> Out of Sequence | <input type="checkbox"/> Outside Dimensions<br><input type="checkbox"/> Over/Under tolerance<br><input type="checkbox"/> Part Incorrect<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Part Moved<br><input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Power Loss/Surge<br><br><input type="checkbox"/> Pressure/Forced Set-up<br><input type="checkbox"/> Temperature/Cure<br><input type="checkbox"/> Weld<br><input type="checkbox"/> Wrong Stock Pulled<br><br><input type="checkbox"/> Other |
|--|--|---|--|

# SPECIFICATION CONTROL DRAWING

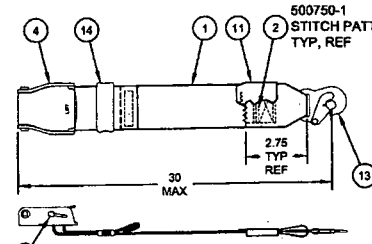


D4387-7

D4387-5



D4387-3



D4387-1

D4387-041 HARNESS ASSEMBLY

| ITEM | QTY<br>-041 | QTY<br>-1 | QTY<br>-3 | QTY<br>-5 | QTY<br>-7 | DART P/N  | DESCRIPTION        | AMSAFE P/N OR<br>MATERIAL P/N |
|------|-------------|-----------|-----------|-----------|-----------|-----------|--------------------|-------------------------------|
|      | X           |           |           |           |           | D4387-041 | HARNESS ASSEMBLY   | 4192-1-021-2396               |
| 1    | 1           | X         |           |           |           | D4387-1   | BUCKLE HALF        | 4192-2010212396               |
| 2    | 1           |           | X         |           |           | D4387-3   | CONNECTOR HALF     | 4192-2030212396               |
| 3    | 1           |           |           | X         |           | D4387-5   | SHOULDER STRAP     | 4192-2050212396               |
| 4    | 1           |           |           |           | X         | D4387-7   | SHOULDER STRAP     | 4192-2060212396               |
| 1    |             | A/R       | A/R       | A/R       | A/R       |           | WEBBING, POLYESTER | T1200-5                       |
| 2    |             | A/R       | A/R       | A/R       | A/R       |           | THREAD             | 207                           |
| 3    |             | A/R       | A/R       | A/R       | A/R       |           | THREAD             | 69                            |
| 4    |             | 1         |           |           |           |           | BUCKLE ASSY        | 502750-401                    |
| 5    |             |           | 1         |           |           |           | CONNECTOR ASSY     | 504459-417-72                 |
| 6    |             |           |           | 1         | 1         |           | ADJUSTER ASSY      | 503050-409                    |
| 7    |             |           |           | 1         | 1         |           | PULL TAB           | 500976-425                    |
| 8    |             |           |           | 1         | 1         |           | ADAPTER, HARNESS   | 505122-2-72                   |
| 9    |             |           |           | 1         | 1         |           | ADAPTER, HARNESS   | 505122-1-72                   |
| 10   |             |           |           | 1         | 1         |           | INSERT             | AFG0588293                    |
| 11   |             | 1         | 1         |           |           |           | LABEL              | 447664                        |
| 12   |             |           |           | 1         | 1         |           | LABEL              | 447664                        |
| 13   |             | 1         | 1         |           |           |           | HOOK ASSY          | 502737-441-72                 |
| 14   |             | 1         | 1         | 1         | 1         |           | WEB SLIDE          | 503864-1                      |
| 15   |             | 2         | 2         |           |           |           | PLUG               | 502913                        |

## NOTES:

- 1) PURCHASE: D4387-041/-1/-3/-5/-7 FROM AMSAFE INC., Phoenix, AZ.
- 2) FINISH: N/A
- 3) TOLERANCES: .XX ±0.25
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: USE PLASTIC ENGRAVED TAGS AND LABEL PER FAR 21.607 TO CONTAIN THE FOLLOWING AT MINIMUM:  
MANUFACTURER P/N: 4192-1-021-2396  
CUSTOMER P/N: D4387-041  
RATED: 3000 LBS DATE OF MFG  
CONFORMS TO FAA TSO-C114
- 7) WEIGHT: 1.75 lb
- 8) INDICATED DIMS ARE FULLY EXTENDED LENGTHS

RELEASED  
2013-04-02

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 121404  
1406-27

|            |   |     |          |
|------------|---|-----|----------|
| D          | DELETED STITCHING - PICTORIAL CHANGE ONLY<br>(ZN D6-2) AS PER NCR13-2237  | SFM | 13.01.23 |
| C          | 16 MAX WAS 10 MAX. 17 MAX WAS 23 MAX.<br>30 MAX WAS 24 MAX (4 PL). 26 MAX WAS 20 MAX<br>UPDATE AMSAFE PART NUMBERS. | RP  | 12.05.01 |
| B          | 3.000 TYP WAS 2.000 TYP (ZN D6-1) (REF. NCR11-644)  | MB  | 11.08.07 |
| A          | NEW ISSUE (REF. CAR10-011)  | MB  | 11.05.02 |
| REV.       | DESCRIPTION   | BY  | DATE     |
| DESIGN     | RF  |     |          |
| DRAWN      | SFM   |     |          |
| CHECKED    |   |     |          |
| MFG. APPR. |   |     |          |
| APPROVED   |   |     |          |
| DE APPR.   |   |     |          |
| DATE       | 13.01.23  |     |          |

**DART AEROSPACE LTD**  
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. DSC-D4387  
SHEET 1 OF 2  
TITLE HARNESS ASSEMBLY  
SCALE NTS

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WRITTEN PERMISSION FROM DART AEROSPACE LTD.



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO24808**

Purchase Order Date 6/30/2014

PO Print Date 6/30/2014

Page Number 2 of 2

**Order From :**

VU-AMS001

AMSAFE INC.  
1043 NORTH 47TH AVENUE  
PHOENIX, AZ 85043  
US

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 602 850 2850

**Ship To Contact**

**Ship To Phone**

**Ship Via:** FedEx PI collect

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms**

Net 30

**Currency**

USD

**FOB**

FCA - (Free Carrier)

|   |                 |                  |                               |               |          |            |
|---|-----------------|------------------|-------------------------------|---------------|----------|------------|
| 3 | 4192-1-021-2396 | Harness Assembly | 7/24/2014<br>Yes<br>7/24/2014 | 32.00<br>Each | \$266.12 | \$8,515.84 |
|---|-----------------|------------------|-------------------------------|---------------|----------|------------|

AS PER DWG D4387 REV. D  
B121404  
AMSAFE P/N: 4192-1-021-2396

*Signature*  
7/14/2014

**Line Total:** \$8,515.84

|   |          |                                |                              |      |        |        |
|---|----------|--------------------------------|------------------------------|------|--------|--------|
| 4 | 71401-45 | PROCUREMENT<br>QUALITY CLAUSES | 7/24/2014<br>No<br>7/24/2014 | 1.00 | \$0.00 | \$0.00 |
|---|----------|--------------------------------|------------------------------|------|--------|--------|

Procurement Quality Clauses  
A004 faa-pma/tso  
A005 right of entry  
A007 first article inspection  
A016 personnel qualification  
A026 certification of material conformance  
A040 notification of quality escape  
A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality document

**Line Total:** \$0.00

**PO Total:** \$11,604.24

*Handwritten initials*

**Note:** Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Change Nbr: 1

Change Date: 6/30/2014

# AmSafe

1043 NORTH 47th AVENUE  
PHOENIX, AZ 85043  
PH (602)850-2850 FAX (602)850-2812

## SHIPPER/CERTIFICATION



|                     |
|---------------------|
| <b>CUSTOMER NO.</b> |
| 10006113            |

|                        |
|------------------------|
| <b>SALES ORDER NO.</b> |
| S283266                |

|                |
|----------------|
| <b>BOL NO.</b> |
| 000341265      |

|                     |
|---------------------|
| <b>DATE PRINTED</b> |
| 07/18/14            |

|                 |
|-----------------|
| <b>PAGE NO.</b> |
| 1               |

DART AEROSPACE  
1270 ABERDEEN STREET  
HAWKESBURY  
HAWKESBURY, ON K6A 1K7  
Canada

DART AEROSPACE LTD.  
1270 ABERDEEN ST  
HAWKESBURY,, ON K6A 1K7  
Canada

Ship to ID: 10006125

|                           |
|---------------------------|
| <b>CUSTOMER ORDER NO.</b> |
| PO24808                   |

|              |
|--------------|
| <b>TERMS</b> |
| NET30        |

|                |
|----------------|
| <b>FREIGHT</b> |
| COLLECT        |

|                   |
|-------------------|
| <b>SHIP VIA</b>   |
| FedEx P1 10:30 AM |

|               |
|---------------|
| <b>F.O.B.</b> |
| ORIGIN        |

Sales Order Remarks: 1517-9324-0

Remarks:

SHIPMENT REFERENCE 000341265

| LINE | ITEM NUMBER / DESCRIPTION  | DRAWING AND CERTIFICATIONS  | DUE DATE           | QTY ORDERED       | QTY SHIPPED | QTY BACK ORDERED |
|------|--|---|--------------------|-------------------|-------------|------------------|
| 1    | Cust. Item No.: D4088-041<br>3221-1-011-2396<br>REST SYS ASSY W/IR | DRAWING: 3221<br>REV: A<br>CERT: TSO-C114<br>Lot/Serial Numbers Shipped Quantity<br>S283266-1 | 2014-07-17<br>6.0  | 6<br>Expire Ref.  | 6           | 0                |
| 2    | Cust. Item No.: D4088-043<br>3221-1-021-2396<br>REST SYS ASSY W/IR | DRAWING: 3221<br>REV: A<br>CERT: TSO-C114<br>Lot/Serial Numbers Shipped Quantity<br>S283266-2 | 2014-07-17<br>4.0  | 4<br>Expire Ref.  | 4           | 0                |
| 3    | 4192-1-021-2396<br>REST SYS ASSY WO/IR                             | DRAWING: 4192<br>REV: E<br>CERT: TSO-C114<br>Lot/Serial Numbers Shipped Quantity<br>S283266-3 | 2014-07-17<br>32.0 | 32<br>Expire Ref. | 32<br>32    | 0                |

I certify that the article(s) listed above conform to all applicable design data, and (as applicable):

FAA PMA, FMVSS 209, FMVSS 302, 14 CFR 25.853

FAA TSO C22f, C22g, C114 or TSO Plus

The conditions and tests required for TSO approval of the article(s) are minimum performance standards. It is the responsibility of those installing the article(s) either on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the standards applicable to the TSO article including (when applicable) the integrated non-TSO function. The non-TSO function is described as the seat belt airbag system including the inflator cable assembly and electrical components that have not been evaluated for functionality or installation requirements. TSO articles including the integrated non-TSO function must have separate approval for installation in an aircraft. The article(s) may be installed only if performed under 14 CFR part 43 or the applicable airworthiness requirements. Product shipped meets all material, processing and test requirements. Certifications/Test reports as applicable are retained on file at AmSafe Aviation.

AmSafe Authorized Signature: X

Printed Name:

Elizabeth Lopez

Dated: JUL 18 2014

COUNTRY OF ORIGIN USA

|   |                     |  |  |                               |   |                                 |
|---|---------------------|--|--|-------------------------------|---|---------------------------------|
| 1. Approving Civil Aviation Authority/Country:<br><br>FAA/United States   |                     | 2. <b>AUTHORIZED RELEASE CERTIFICATE</b><br><b>FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG</b> |  |                               | 3. Form Tracking Number:<br><br>S283266 - 3 - JM                              |                                 |
| 4. Organization Name and Address:<br><b>AmSafe, Inc.</b><br>1043 North 47th Avenue<br>Phoenix, Arizona 85043  |                     |  | Cert. No. <b>PT1967NM</b>  |                               | 5. Work order/Contract/Invoice Number: <b>S283266 - 3</b><br>0 PAGES ATTACHED |                                 |
| 6. Item:  | 7. Description:     | 8. Part Number:  | 9. Quantity:   | 10. Serial Number:            | 11. Status/Work:  |                                 |
| 1   | REST SYS ASSY WO/IR | 4192-1-021-2396  | 32   | N/A                           | NEW   |                                 |
| 12. Remarks: Drawing: <b>4192</b><br>Rev: <b>E</b><br>TSO: <b>TSO-C114</b><br><div style="text-align: right; margin-top: 10px;">DATE CODE: <u>A0714</u></div>   |                     |  |  |                               |   |                                 |
| EXPORT AIRWORTHINESS APPROVAL: THIS ARTICLE MEETS THE SPECIAL REQUIREMENTS OF CANADA  |                     |  |  |                               |   |                                 |
| 13a. Certifies the items identified above were manufactured in conformity to:<br><br><input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation<br><br><input type="checkbox"/> Non-approved design data specified in Block 12.   |                     |  | <div style="border: 1px solid black; padding: 5px;">         14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12<br/><br/>         Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.       </div> |                               |   |                                 |
| 13b. Authorized Signature:<br>   |                     | 13c. Approval/Authorization No.:<br><b>ODA602112NM</b>   |  | 14b. Authorized Signature     |   | 14c. Authorized/Certificate No. |
| 13d. Name (typed or printed)<br><b>JACKELINE MELCHOR</b>  |                     | 13e. Date (dd/mm/yyyy):<br><b>17/JUL/2014</b>  |  | 14d. Names (typed or printed) |   | 14e. Date (dd/mm/yyyy):         |
| <b>User/Installer Responsibilities</b><br><br>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.<br><br>Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown. |                     |  |  |                               |   |                                 |